

# Regional Estimates By County 1995-1999

## Michigan BRFS

This report uses data from the 1995-1999 statewide behavioral risk factor surveys to provide estimates for the counties of Ingham, Kent, Macomb, Oakland, Washtenaw and Wayne. These are the six most populous counties in Michigan. The sample sizes over these years were large enough to provide relatively precise estimates for these counties. Unfortunately the sample sizes from the other Michigan counties was not large enough to do this. In general the yearly statewide sample size has been about 2,500. The sample size in a particular county approximates the county's proportion of the state's population. Therefore a county with 1% of the state's population would be expected to have a sample size of about 25 ( $1\% \times 2,500$ ) in a typical year.

Perceived Risk of HIV Infection  
By County  
Michigan 1995-1999 Behavioral Risk Factor Survey  
(in percentages with 95% confidence interval limits)

	Chances of getting HIV High/Medium <sup>1</sup>	
	%	95% CI
<b>Michigan</b>	<b>5.6</b>	<b>0.5</b>
Ingham	4.8	2.2
Kent	5.3	2.1
Macomb	4.8	1.5
Oakland	4.9	1.4
Washtenaw	5.5	2.5
Wayne	7.2	1.3

<sup>1</sup> Proportion of respondents who reported "high" or "medium" to the question "What are your chances of getting infected with HIV, the virus that causes AIDS?". "Don't know" was considered a valid response.

**Alcohol Use  
By County  
Michigan 1995-1999 Behavioral Risk Factor Survey**  
(in percentages with 95% confidence interval limits)

	Consumed Any Alcohol in Past Month <sup>1</sup>		Heavy Drinking <sup>2</sup>		Binge Drinking <sup>3</sup>		Drinking and Driving <sup>4</sup>	
	%	95% CI	%	95% CI	%	95% CI	%	95% CI
<b>Michigan</b>	<b>57.4</b>	<b>0.9</b>	<b>3.9</b>	<b>0.4</b>	<b>18.3</b>	<b>0.8</b>	<b>3.6</b>	<b>0.4</b>
Ingham	56.5	5.6	4.6	2.6	18.5	4.5	2.7	2.0
Kent	61.8	3.8	4.4	1.8	20.1	3.2	5.0	1.8
Macomb	64.1	3.2	3.7	1.3	21.1	2.7	4.0	1.3
Oakland	63.3	2.8	4.2	1.2	19.6	2.4	3.3	1.0
Washtenaw	67.8	5.0	4.0	2.3	18.4	4.3	3.1	1.9
Wayne	54.4	2.2	3.6	0.9	17.4	1.7	4.3	1.0

<sup>1</sup> Proportion of respondents who reported having had at least one alcoholic drink in the past month.

<sup>2</sup> Heavy drinking was defined as sixty or more alcoholic beverages on average consumed in the past month.

<sup>3</sup> Proportion of respondents who reported that they had had five or more alcoholic beverages per occasion at least once in the past month.

<sup>4</sup> Proportion of respondents who said they had driven a car after having had "perhaps too much to drink".

Current Cigarette Smoker  
By County  
Michigan 1995-1999 Behavioral Risk Factor Survey  
(in percentages with 95% confidence interval limits)

	Current Cigarette Smoker <sup>1</sup>	
	%	95% CI
<b>Michigan</b>	<b>26.0</b>	<b>0.7</b>
Ingham	22.0	3.8
Kent	25.5	3.0
Macomb	29.2	2.5
Oakland	23.5	2.1
Washtenaw	18.1	3.5
Wayne	28.1	1.7

<sup>1</sup>Proportion of respondents who reported that they had ever smoked at least 100 cigarettes in their life and that they smoke cigarettes now.

Non Use of Seatbelts  
By County  
Michigan 1995-1999 Behavioral Risk Factor Survey  
(in percentages with 95% confidence interval limits)

	Adult Safety Belt Non Use (Not Always) <sup>1</sup>	
	%	95% CI
<b>Michigan</b>	<b>28.2</b>	<b>1.0</b>
Ingham	20.8	5.3
Kent	28.0	3.9
Macomb	27.7	3.3
Oakland	24.7	2.8
Washtenaw	19.8	4.8
Wayne	31.9	2.3

<sup>1</sup>Proportion of respondents who reported not always wearing their safety belt when driving or riding in a car.

**Diabetes**  
**By County**  
**Michigan 1995-1999 Behavioral Risk Factor Survey**  
(in percentages with 95% confidence interval limits)

	Ever Told Have Diabetes <sup>1</sup>	
	%	95% CI
<b>Michigan</b>	<b>5.7</b>	<b>0.4</b>
Ingham	6.1	2.2
Kent	3.9	1.2
Macomb	3.9	1.1
Oakland	4.7	1.0
Washtenaw	5.6	2.2
Wayne	7.0	0.9

<sup>1</sup>Proportion of respondents who reported that they had ever been told by a doctor that they had diabetes (gestational diabetes excluded).

**Overweight**  
**By County**  
**Michigan 1995-1999 Behavioral Risk Factor Survey**  
(in percentages with 95% confidence interval limits)

	Overweight <sup>1</sup>	
	%	95% CI
<b>Michigan</b>	<b>33.2</b>	<b>0.8</b>
Ingham	32.4	4.4
Kent	31.0	3.2
Macomb	33.3	2.7
Oakland	28.3	2.3
Washtenaw	25.2	4.0
Wayne	37.1	1.9

<sup>1</sup>Overweight was defined as proportion of respondents by body mass index  $\geq 27.8$  for men and  $\geq 27.3$  for women. Pregnant women were excluded from analysis.

## Health Care Indicators

### By County

### Michigan 1995-1999 Behavioral Risk Factor Survey

(in percentages with 95% confidence interval limits)

	Had Health Care Coverage		Cost Prevented Doctor Visit <sup>2</sup>		General Health Fair or Poor <sup>3</sup>	
	Aged 18-64 <sup>1</sup>					
	%	95% CI	%	95% CI	%	95% CI
<b>Michigan</b>	<b>89.7</b>	<b>0.5</b>	<b>8.8</b>	<b>0.5</b>	<b>13.4</b>	<b>0.5</b>
Ingham	93.0	2.2	5.5	2.3	10.0	2.7
Kent	92.8	1.8	7.1	2.1	11.5	2.1
Macomb	93.1	1.5	7.8	1.8	11.6	1.7
Oakland	93.0	1.3	7.9	1.5	9.4	1.4
Washtenaw	93.8	2.1	5.2	2.4	9.2	2.7
Wayne	89.1	1.2	11.7	1.5	18.1	1.4

<sup>1</sup> Proportion of respondents aged 18-64 who reported they had any kind of health care coverage.

<sup>2</sup> Proportion of respondents who reported that there was a time during the previous 12 months when they needed to see a doctor but could not because of the cost.

<sup>3</sup> Proportion of respondents who said that their health, in general, was fair or poor.

## High Blood Pressure and Cholesterol Screening By County

### Michigan 1995-1999 Behavioral Risk Factor Survey

(in percentages with 95% confidence interval limits)

	Ever Told Have High Blood Pressure <sup>1</sup>		Cholesterol Ever Checked <sup>2</sup>		Ever Told Cholesterol Was High <sup>3</sup>	
	%	95% CI	%	95% CI	%	95% CI
<b>Michigan</b>	<b>23.9</b>	<b>0.8</b>	<b>76.3</b>	<b>0.8</b>	<b>31.2</b>	<b>1.0</b>
Ingham	22.0	4.6	75.0	4.9	25.5	5.6
Kent	21.0	3.2	75.2	3.5	29.6	4.1
Macomb	22.2	2.7	81.5	2.6	31.4	3.4
Oakland	22.1	2.4	79.1	2.5	30.9	3.0
Washtenaw	18.3	4.1	78.9	4.5	25.0	5.2
Wayne	27.3	2.0	76.2	1.9	30.5	2.3

<sup>1</sup>Of respondents who had ever had their blood pressure checked, the proportion who reported they had ever been told by a health professional that their blood pressure was high.

<sup>2</sup>Proportion of respondents who reported ever having had their cholesterol checked.

<sup>3</sup>Of respondents who had ever had their cholesterol checked, the proportion who had ever been told by a health professional that their cholesterol was high.

**Pap Testing and Cervical Cancer Screening  
By County**  
**Michigan 1995-1999 Behavioral Risk Factor Survey**  
(in percentages with 95% confidence interval limits)

	Ever Had Pap Test		Appropriately-Timed Pap Screening Test <sup>1</sup>	
	%	95% CI	%	95% CI
<b>Michigan</b>	<b>95.3</b>	<b>0.5</b>	<b>84.1</b>	<b>0.9</b>
Ingham	95.3	3.1	87.5	4.4
Kent	94.9	2.4	86.2	3.9
Macomb	94.5	2.1	83.7	3.3
Oakland	96.3	1.4	86.9	2.6
Washtenaw	97.0	2.1	89.0	4.5
Wayne	93.6	1.5	82.6	2.3

<sup>1</sup>Proportion of all female respondents aged 18 and older who had a Pap test within the previous three years. Respondents whose last Pap test was done because of a problem were not included in this analysis.



## Mammography

### By County

#### Michigan 1995-1999 Behavioral Risk Factor Survey

(in percentages with 95% confidence interval limits)

	Ever Had Mammogram		Appropriately-timed Mammography Screening <sup>1</sup>		Appropriately-timed Breast Screening <sup>2</sup>	
	%	95% CI	%	95% CI	%	95% CI
<b>Michigan</b>	<b>88.6</b>	<b>0.9</b>	<b>66.4</b>	<b>1.4</b>	<b>54.6</b>	<b>1.5</b>
Ingham	90.0	4.8	70.7	7.5	61.3	8.0
Kent	88.6	3.5	64.4	5.8	55.2	6.0
Macomb	89.5	3.1	69.2	4.6	55.5	5.0
Oakland	90.8	2.3	71.8	3.8	61.8	4.2
Washtenaw	87.9	5.5	64.6	8.6	48.7	9.2
Wayne	87.9	2.1	62.8	3.3	49.9	3.4

<sup>1</sup>Proportion of female respondents aged 40 years and older who reported having had a routine mammogram within two years for women aged 40-49 and within one year for women aged 50 and older. Respondents whose last mammogram was done because of breast cancer or other breast problems were not included in this analysis.

<sup>2</sup>Proportion of female respondents aged 40 and older who had both appropriate clinical breast exams and appropriate mammography screening.

**Clinical Breast Exam  
By County  
Michigan 1995-1999 Behavioral Risk Factor Survey**  
(in percentages with 95% confidence interval limits)

	Ever Had Clinical Breast Exam (Women Aged 20 and Older)		Appropriately-timed Screening Clinical Breast Exam <sup>1</sup>	
	%	95% CI	%	95% CI
<b>Michigan</b>	<b>91.0</b>	<b>0.6</b>	<b>74.7</b>	<b>1.0</b>
Ingham	93.1	3.0	81.9	4.7
Kent	93.7	2.3	76.8	4.0
Macomb	91.7	2.1	75.1	3.3
Oakland	92.6	1.7	78.0	2.8
Washtenaw	91.6	3.5	74.8	5.7
Wayne	88.3	1.6	72.8	2.3

<sup>1</sup>Proportion of female respondents 20 years of age and older whose last clinical breast exam was within the previous three years for women aged 20-39 years and within the previous year for women aged 40 years and older. Respondents whose last clinical breast exam was done because of breast cancer or other breast problems were not included in this analysis.

## Physical Inactivity

### By County

#### Michigan 1995-1999 Behavioral Risk Factor Survey

(in percentages with 95% confidence interval limits)

	No Leisure-Time Physical Activity <sup>1</sup>		Sedentary Lifestyle <sup>2</sup>	
	%	95% CI	%	95% CI
<b>Michigan</b>	<b>24.3</b>	<b>0.8</b>	<b>51.9</b>	<b>1.2</b>
Ingham	20.6	4.4	49.5	6.5
Kent	20.5	3.2	50.4	5.5
Macomb	22.8	2.7	49.4	4.4
Oakland	18.7	2.2	49.7	3.8
Washtenaw	17.5	3.9	48.3	6.7
Wayne	29.5	2.0	54.5	2.9

<sup>1</sup>Proportion of respondents who said that they did not participate in any physical activities, recreation, or exercises in their leisure time (such as running, golf, or walking for exercise) within the past month.

<sup>2</sup> Proportion of respondents who said they did not engage in leisure-time physical activity (such as running, golf, or walking for exercise) for a minimum of 20 minutes 3 times per week, within the past month.